ℝami Luisto
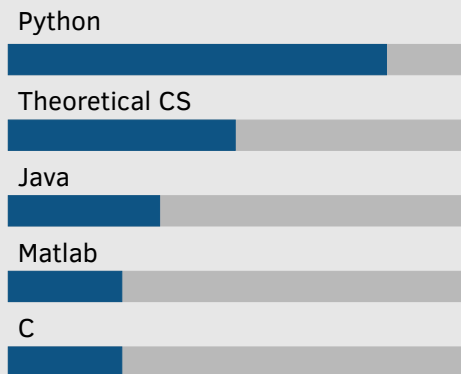
A mathematician with the heart of an engineer.

@ rami.luisto@gmail.com

⌂ https://luisto.fi

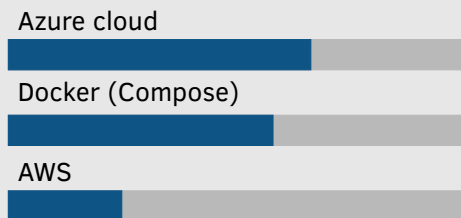🐙 https://github.com/RamiLuisto

🌐 Capital Region, Finland

About me

A math researcher turned Data Scientist. Technical specialization in NLP and CV, domain specialization in Healthcare Industry and Intelligent Document Processing.

Programming

Python

Theoretical CS

Java

Matlab

C

Tech stack

Azure cloud

Docker (Compose)

AWS

Languages

Finnish   Native

English   Fluent

Swedish   Conversational

German   Passable

Czech   Basics

Education

2020	Title of Docent / Associate Professor	University of Helsinki
	Mathematics.	
2012–2016	Doctor of Philosophy	University of Helsinki
	Pure mathematics – quantitative topology and geometric analysis.	
2006–2011	Master of Science	University of Helsinki
	Major in mathematics, minor in CS.	

Experience

2022–	Healthcare AI Lead Data Scientist	Digital Workforce Services
	Overseer of Healthcare industry AI projects.	
2020–2021	Data Scientist / AI-expert	Digital Workforce Services
	Working as part of the AI team. Responsibilities in Python/AI development, client interaction and AI-related training.	
2016-2020	Postdoctoral Researcher	Various universities.
	Mathematical research and teaching at the UCLA, University of Jyväskylä and the Charles University in Prague.	

Major AI projects

2021–2024	Medical NLP-classifier	Digital Workforce Services
	Lead AI-architect for a custom transformer based NLP-classifier in the Azure cloud. Main responsibilities: Full-stack AI-component development and deployment including customer interaction.	
2022	Video content structurization.	Digital Workforce Services
	Part of a team to build a custom AI system to extract and cluster end credit contents from TV-streams. Responsibilities: project management, customer relations and system infrastructure.	
2020	Intelligent Document Processing	Digital Workforce Services
	Part of a team to build a custom Intelligent Document Processing system in the AWS cloud. Main responsibility: OCR component developer.	

Certifications

2022	Microsoft Certified: Azure Data Scientist Associate
2021	Microsoft Certified: Azure Fundamentals
2020	AWS Certified Cloud Practitioner

Scientific interests

My current scientific interests are in the field of general AI with a particular focus to Natural Language Processing and Computer Vision. I also hold a continued fascination and research interest towards information theory and theoretical computer science.

My mathematical research has mainly focused in geometric analysis, metric geometry and geometric topology, with 11 publications in these fields. A more detailed description of my research can be found from my homepage.

Other information

More tech worth mentioning

Miscellancelous DB experience, most with MongoDB. Redis for job queues and FastAPI/Django for front end. Experience in RPA projects and some of the tools of the major providers; Blue Prism, UiPath, ABBYY and Flowable. Love Emacs and happy with Vi, but nowadays mostly working in VS Code.

Hobbies

Walking in nature and collecting plants and mushrooms when in season. Low-level crossfit. Lockpicking, safecracing and other dexterity-intensive handicrafts.